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PROCOPIO, CORY, HARGREAVES & SAVITCH LLP
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EXAMINER

WEI, ZHENG

ART UNIT	PAPER NUMBER
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2192

NOTIFICATION DATE	DELIVERY MODE
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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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PTONotifications@procopio.com

Office Action Summary

Application No.

10/792,255

Applicant(s)

THOMAS ET AL.

Examiner

Zheng Wei

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| <p>1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.</p> | <p>4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
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DETAILED ACTION

1. This office action is in response to the application filed on 03/02/2004
2. Claims 1-39 are pending and have been examined.

Oath/Declaration

3. The Office acknowledges receipt of a properly signed oath/declaration filed on March 02, 2004.

Priority

4. The priority date considered for this application is July 26 1999.

Drawings

5. The drawings filed on March 02, 2004 are accepted by the Examiner.

Specification

6. The disclosure is objected to because of the following informalities:
The information disclosed in section RELATED APPLICATIONS is not correct and is not consistent with PTO records (see for example, at page 1, paragraph [0001], line 3, for application number 09/529,992, now becomes US Patent Number 6,690,982 and is different from Patent Number 6,529,992 as applicant

disclosed at line 4. For the US Patent Number 6,529,992, its original application number is 09/360,337)

Appropriate correction is required.

Claim Objections

7. Claims 35-39 are objected to because of the following informalities:

Claims 35-39: Group of claims 35-39 and claims 26-30 all dependent on claim 19, but claim similar subject matter about external devices. The Examiner believes these are typos. For the purpose of compact prosecution, the Examiner treats claims 35-39 as the dependent claims of claim 31.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

8. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claims 2, 8, 27-30 and 35-39 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites the limitation "said task disk control file" at page 32, line 1. There is insufficient antecedent basis.

Claim 8 recites the limitation "said task disk control file" at page 34, line 3. There is insufficient antecedent basis.

Claims 27-30 recite the limitation "The computer-readable medium". There are insufficient antecedent basis. The Examiner treats them as --the storage media— under claim 19.

Claims 35-39 recite the limitation "The computer-readable medium" of claim 19. There are insufficient antecedent basis. The Examiner treats them as --the computer-readable medium —under claim 31.

Double Patenting

10. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined

application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

11. Claims 1-8, 19 and 31-32 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-26 of U.S. Patent No. 6,529,992. Although the conflicting claims are not identical, they are not patentably distinct from each other. As can be seen from the table below, instant claims and the claims of U.S. Patent are directed to the same subject matter of the invention. For example,

Instant Application 10/792255	U.S. Patent 6,529,992
<p><u>Claim 1.</u> A computer-readable medium containing instructions to be executed by a computing device when the computing device is coupled to a media drive that communicates with said computer-readable medium, said instructions comprising:</p> <p>configuring said computing device in accordance with an instruction file contained on said computer-readable media;</p> <p>launching a participating application in accordance with information in said instruction file;</p> <p>monitoring events in said media drive and said participating application until execution of said participating software application is detected to be completed or terminated; and thereafter</p> <p>saving certain data files to a predetermined location specified in said instruction file;</p> <p>deleting temporary files; and</p> <p>unconfiguring said computing device.</p>	<p><u>Claim 1.</u> A computer-readable medium containing instructions to be automatically executed by a computing device without the need for user intervention when the computing device is coupled to a media drive that receives said computer-readable medium, said instructions comprising:</p> <p>configuring said computing device in accordance with a task disk control file contained on said computer-readable media;</p> <p>launching a participating application in accordance with information in said task disk control file;</p> <p>monitoring events in said media drive and said participating application until execution of said participating software application is detected to be completed or terminated; and thereafter</p> <p>saving certain data files to a predetermined location specified in said task disk control file;</p> <p>deleting temporary files;</p> <p>unconfiguring said computing device; and</p> <p>disconnecting said computer-readable</p>

	media from said media drive.
<p><u>Claim 2.</u> The computer-readable medium as recited in claim 1, wherein said configuring said computing device in accordance with said instruction file further comprises:</p> <p>determining a unique identifier of said computer-readable medium;</p> <p>accessing said task disk control file in accordance with said unique identifier; and</p> <p>configuring said computing device by providing as least one of the following executable files: linked library files, device drivers, path information, environmental information, and registry entries to said computing device.</p>	<p><u>Claim 2.</u> The computer-readable medium as recited in claim 1, wherein said configuring said computing device in accordance with said task disk control file further comprises:</p> <p>determining a unique identifier of said computer-readable medium;</p> <p>accessing said task disk control file in accordance with said unique identifier; and</p> <p>configuring said computing device by providing as least one of the following executable files: linked library files, device drivers, path information, environmental information, and registry entries to said computing device.</p>
<p><u>Claim 3</u> The computer-readable medium as recited in claim 1, wherein said monitoring events comprises</p> <p>monitoring for an application save/close completion event or monitoring for a request to disconnect said computer-readable medium.</p>	<p><u>Claim 3.</u> The computer-readable medium as recited in claim 1, wherein said monitoring events comprises</p> <p>monitoring for an application save/close completion event or monitoring for a request to disconnect said computer-readable medium.</p>
<p><u>Claim 4</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said participating application is adapted to be stored on removable or on non-removable storage media.</p>	<p><u>Claim 4</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said participating application is adapted to be stored on removable or on non-removable storage media.</p>

<p><u>Claim 5</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said launching said participating application in accordance with information in said instruction file comprises launching said participating application from said computer readable medium.</p>	<p><u>Claim 5</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said launching said participating application in accordance with information in said task disk control file comprises launching said participating application from said computer readable medium.</p>
<p><u>Claim 6</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said launching said participating application in accordance with information in said instruction file comprises launching said participating application from said computing devices.</p>	<p><u>Claim 6</u> The computer-readable medium as recited in claim 1,</p> <p>wherein said launching said participating application in accordance with information in said task disk control file comprises launching said participating application from said computing devices</p>
<p><u>Claim 7</u> A computer-readable medium having stored thereon an instruction file comprising:</p> <p>a monitoring section to detect an activation event for a predetermined participating application, such that when the activation event occurs the following special instruction sections are automatically executed:</p> <p>a pre-run section containing instructions to be executed by a computer-implemented device prior to launching said predetermined participating application;</p> <p>an application run section containing instructions to launch said participating application and further instructions to copy or maintain certain data files at specific</p>	<p><u>Claim 7</u> A computer-readable medium having stored thereon a task list control file comprising:</p> <p>a monitoring section to detect an activation event for a predetermined participating application, such that when the activation event occurs the following special instruction sections are automatically executed:</p> <p>a pre-run section containing instructions to be executed by a computer-implemented device prior to launching said predetermined participating application;</p> <p>an application run section containing instructions to launch said participating application and further instructions to copy or maintain certain data files at specific</p>

<p>storage locations to be available for use during running of said participating application; and</p> <p>a clean-up section containing instructions to be executed upon closing said participating application including additional instructions to remove or save certain data files at specific storage locations prior to said closing, and</p> <p>wherein said monitoring section is capable to detect a termination event for said participating application such that when the termination event occurs the cleanup section is automatically executed.</p>	<p>storage locations to be available for use during running of said participating application ; and</p> <p>a clean-up section containing instructions to be executed upon closing said participating application including additional instructions to remove or save certain data files at specific storage locations prior to said closing, and</p> <p>wherein said monitoring section is capable to detect a termination event for said participating application such that when the termination event occurs the cleanup section is automatically executed.</p>
<p><u>Claim 8</u> The task list control file of claim 7,</p> <p>wherein said pre-run section comprises instructions to configure registry information such that the operating system is aware of at least one of the following:</p> <p>a path, environmental variables, and commands to launch said participating application.</p>	<p><u>Claim 8</u> The task list control file of claim 7,</p> <p>wherein said pre-run section comprises instructions to configure registry information such that the operating system is aware of at least one of the following:</p> <p>a path, environmental variables, and commands to launch said participating application.</p>
<p><u>Claims 31, 32.</u> A computer-readable medium containing instructions to be executed by a computing device, said instructions comprising: wherein the instructions are automatically executed upon coupling the computing device with a media drive containing the computer-readable medium.[claim 32]</p> <p>configuring said computing device from a</p>	<p><u>Claim 1.</u> A computer-readable medium containing instructions to be automatically executed by a computing device without the need for user intervention when the computing device is coupled to a media drive that receives said computer-readable medium, said instructions comprising:</p> <p>configuring said computing device in</p>

<p>first state to a second state in accordance with an instruction file contained on said computer-readable media;</p> <p>launching one or more participating applications in accordance with information in said instruction file;</p> <p>monitoring events in said computing device and said participating application until execution of said participating software application is detected to be completed or terminated; and thereafter</p> <p>unconfiguring said computing device to return the computing device to the first state.</p>	<p>accordance with a task disk control file contained on said computer-readable media;</p> <p>launching a participating application in accordance with information in said task disk control file;</p> <p>monitoring events in said media drive and said participating application until execution of said participating software application is detected to be completed or terminated; and thereafter</p> <p>saving certain data files to a predetermined location specified in said task disk control file;</p> <p>deleting temporary files;</p> <p>unconfiguring said computing device; and</p> <p>disconnecting said computer-readable media from said media drive.</p>
<p><u>Claim 19.</u> A method of managing a plurality of software programs for use with a computer device in accordance with special instructions contained on storage media external to or removable from the computer device, said method comprising:</p>	<p><u>Claims 9, 11, 13.</u> A method of managing selected software for use with a computer device in accordance with special instructions contained on storage media external to or removable from the computer device, said method comprising:</p>

<p>activating the storage media to establish communication with the computer device;</p> <p>providing a list of the plurality of software programs located on the storage media;</p> <p>selecting one of the plurality of software programs for execution;</p> <p>providing special instructions in a control file located on the storage media for each of the selected software programs, the special instructions including configuration information, software launching information; and data file storage information;</p> <p>transferring files and</p> <p>configuring the computer device from a first state in accordance with the configuration information, wherein upon configuration the computer device is in a second state;</p> <p>launching the selected software in accordance with the software launching</p>	<p>activating the storage media to establish communication with the computer device;</p> <p>The method of claim 9 wherein the selected software is run from the storage media.[claim 11]</p> <p>providing the special instructions in a control file located on the storage media, the special instructions including configuration information, software launching information; and data file storage information, wherein certain special instructions are automatically executed without user intervention including the following:</p> <p>The method of claim 11 wherein certain data files are copied or maintained on the computer device to be available for use during running of the selected software.[claim 13]</p> <p>configuring the computer device in accordance with the configuration information;</p> <p>launching the selected software in accordance with the software launching</p>
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<p>information;</p> <p>monitoring events to determine various stages in the operation of the selected software; and</p> <p>unconfiguring the computer device upon termination of the software program by removing files transferred to the computing device to essentially return the computer device to the first state.</p>	<p>information;</p> <p>monitoring events to determine various stages in the operation of the selected software; and</p> <p>storing, saving, and/or removing data files related to the operation of the selected software in accordance with the data file storage information.</p>
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Claim Rejections - 35 USC § 102

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

13. Claims 1-12, 19-25 and 31-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Redford (Redford et al., US 5,711,672)

Claim 1:

Redford discloses a computer-readable medium containing instructions to be executed by a computing device when the computing device is coupled to a media drive that communicates with said computer-readable medium, said instructions (file) comprising:

- configuring said computing device in accordance with an instruction file contained on said computer-readable media (see for example, Fig.1D, steps 117-127, and related text; also see col.3, lines 21-36, "autostart driver");
- launching a participating application in accordance with information in said instruction file (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text);
- monitoring events in said media drive and said participating application until execution of said participating software application is detected to be completed or terminated (see for example, col.4, lines 10-24, "storage media manager that periodically or asynchronously determines status"); and thereafter
- saving certain data files to a predetermined location specified in said instruction file (see for example, Fig.1D, step 127, "Store detected DISGO.BAT");

- deleting temporary files (see for example, Fig.3B1, step 384, "Unload the loaded electronic content by releasing portions of random access memory occupied in step 353"); and
- unconfiguring said computing device (see for example, Fig.3B1, step 384, "Unload the loaded electronic content by releasing portions of random access memory occupied in step 353" and step 385 "Optionally restore an operator interface displayed on host device monitor to a new state identical to the state saved in step 359").

Claim 2:

Redford also discloses the computer-readable medium as recited in claim 1, wherein said configuring said computing device in accordance with said instruction file further comprises:

- determining a unique identifier of said computer-readable medium (see for example, (see for example, Fig.1D, step 117, "Is DSIGOKEY.exe present in removable storage media peripheral which caused interrupt?");
- accessing said task disk control file in accordance with said unique identifier (see for example, Fig.1D, steps 117-124, accessing said removable storage media for DISGOKEY.EXE and DISGO.BAT); and
- configuring said computing device by providing as least one of the following executable files: linked library files, device drivers, path information,

environmental information, and registry entries to said computing device (see for example, Fig.3B1, step 353, "Use read profile data to load electronic content from inverted storage media to RAM" and related text).

Claim 3:

Redford further discloses the computer-readable medium as recited in claim 1, wherein said monitoring events comprises monitoring for an application save/close completion event or monitoring for a request to disconnect said computer-readable medium (see for example, Fig.3B1, step 339, "Check if status of current peripheral has changed?" and related text; also see steps 378-385 about removing current peripheral).

Claim 4:

Redford also discloses the computer-readable medium as recited in claim 1, wherein said participating application is adapted to be stored on removable or on non-removable storage media (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text; also see col.9, lines 1-6, "Profile file DISGO.BAT in turn loads into main memory at least a portion of the software of the application").

Claim 5:

Redford also discloses the computer-readable medium as recited in claim 1, wherein said launching said participating application in accordance with information in said instruction file comprises launching said participating application from said computer readable medium (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text; also see col.9, lines 1-6, "Profile file DISGO.BAT in turn loads into main memory at lest a portion of the software of the application").

Claim 6:

Redford further discloses the computer-readable medium as recited in claim 1, wherein said launching said participating application in accordance with information in said instruction file comprises launching said participating application from said computing devices (see for example, col.3, lines 51-62, "permanently installed storage media") .

Claim 7:

Redford discloses a computer-readable medium having stored thereon an instruction file comprising:

- a monitoring section to detect an activation event for a predetermined participating application, such that when the activation event occurs the following special instruction sections are automatically executed (see for

example, Fig.1D, step 112-117, monitoring interrupts and also see Fig.3B1, step 341 and related text):

- a pre-run section containing instructions to be executed by a computer-implemented device prior to launching said predetermined participating application (see for example, Fig.1D, step 117-124 and related text for pre-run checking);
- an application run section containing instructions to launch said participating application and further instructions to copy or maintain certain data files at specific storage locations to be available for use during running of said participating application (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text); and
- a clean-up section containing instructions to be executed upon closing said participating application including additional instructions to remove or save certain data files at specific storage locations prior to said closing, and wherein said monitoring section is capable to detect a termination event for said participating application such that when the termination event occurs the cleanup section is automatically executed (see for example, Fig.3B1, step 339, "Check if status of current peripheral has changed?" and related text; also see steps 378-385 about removing current peripheral)

Claim 8:

Redford further discloses the task list control file of claim 7, wherein said pre-run section comprises instructions to configure registry information such that the operating system is aware of at least one of the following: a path, environmental variables, and commands to launch said participating application (see for example, Fig.1D, step 119, "Compare DISGOKEY.EXE bit map with local hardcoded bit map" and related text).

Claim 9:

Redford further discloses the computer-readable medium as recited in claim 1, wherein said unconfiguring said computing device in accordance with said instruction file comprises:

- removing from said computing device at least one of the following executable files provided during the configuration stage: linked library files, device drivers, path information, environmental information, and registry entries to said computing device (see for example, Fig.3B1, step 384, "Unload the loaded electronic content by releasing portions of random access memory occupied in step 353" and step 385 "Optionally restore an operator interface displayed on host device monitor to a new state identical to the state saved in step 359").

Claim 10:

Redford also discloses the computer-readable medium as recited in claim 1, wherein said instructions are automatically executed upon initial communication of the computer-readable medium with the computing device (see for example, Fig. 1D, step 129, "Execute X:\DISGO.bat" and related text).

Claim 11:

Redford further discloses the computer-readable medium of claim 10, wherein the initial communication is commenced by inserting a removable computer-readable medium into the media drive (see for example, Fig. 1D, step 113-115, "Wait for interrupt from any removable storage media peripheral" and related text).

Claim 12:

Redford also discloses the computer-readable medium of claim 10, wherein the initial communication is commenced by coupling the media drive containing the computer-readable medium to the computing device drive (see for example, Fig. 1D, step 113, "Enable interrupts form removable storage media peripherals"; step 115, "Wait for interrupt from any removable storage media peripheral" and related text).

Claim 17:

Redford also discloses the computer-readable medium of claim 1, wherein the computer-readable medium comprises an optical drive (see for example, Fig.3A, element 220, "CD ROM DRIVE").

Claim 18:

Redford also discloses the computer-readable medium of claim 1, wherein the computer-readable medium comprises a removable magnetic media drive (see for example, Fig.3A, element 213, "Floppy Disk Drive").

Claim 19:

Redford discloses a method of managing a plurality of software programs for use with a computer device in accordance with special instructions contained on storage media external to or removable from the computer device, said method comprising:

- activating the storage media to establish communication with the computer device (see for example, Fig.1D, step 113, 115, "interrupts" and related text);
- providing a list of the plurality of software programs located on the storage media (see for example, ;
- selecting one of the plurality of software programs for execution (see for example, Fig.1D, step 117, "Is DSIGOKEY.exe present in removable storage media peripheral which caused interrupt?");

- providing special instructions in a control file located on the storage media for each of the selected software programs, the special instructions including configuration information, software launching information; and data file storage information execution (see for example, Fig.1D, step 117, "Is DSIGOKEY.exe present in removable storage media peripheral which caused interrupt?");
- transferring files and configuring the computer device from a first state in accordance with the configuration information, wherein upon configuration the computer device is in a second state execution (see for example, Fig.1D, step 117-129, transferring DISGO.BAT and storing at variable X; executing instruction file and related text);
- launching the selected software in accordance with the software launching information (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text).;
- monitoring events to determine various stages in the operation of the selected software (see for example, Fig.3B1, step 339, "Check if status of current peripheral has changed?" and related text; also see steps 378-385 about removing current peripheral); and
- unconfiguring the computer device upon termination of the software program by removing files transferred to the computing device to essentially return the computer device to the first state (see for example, Fig.3B1, steps 378-385

about removing current peripheral.)

Claim 20:

Redford also discloses the method of claim 19, further comprising associating each of the plurality of software programs with a corresponding control file information (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text).

Claim 21:

Redford further discloses the method of claim 20, wherein the list of software programs only includes the programs having a corresponding control file information (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text).

Claim 22:

Redford also discloses the method of claim 19, further comprising copying one or more files to said computer device to create said second state, wherein the files include one or more of the following: linked library files, device drivers, path information, environmental information, and registry entries (see for example, Fig.3B1, steps 345-353 about reading an identifier, flagging current peripheral and loading application to memory and relate text).

Claim 23:

Redford further discloses the method of claim 22, wherein said unconfiguring step comprises removing all files copied to create said second state (see for example, Fig.3B1, steps 378-385 about unloading and restoring computer device and related text).

Claim 24:

Redford also discloses the method of claim 19, further comprising: selecting a plurality of software programs for execution; configuring the computer device for each of the plurality of software programs selected by copying one or more files to said computer device, wherein the files include one or more of the following: linked library files, device drivers, path information, environmental information, and registry entries information (see for example, Fig.1D, step 129, "Execute X:\DISGO.bat" and related text about DISGO.bat file).

Claim 25:

Redford also discloses the method of claim 24, further comprising unconfiguring the computer device upon termination of each of the executed software programs by removing any files copied during configuration and any new files created during execution of each terminated software program (see for example, Fig.3B1,

steps 378-385 about unloading and restoring computer device and related text).

Claims 31-34:

Claims 31-34 are another computer program products version, wherein all claimed limitation functions have been addressed in claims 1-6 above respectively. Therefore they are also anticipated by Redford.

Claim Rejections - 35 USC § 103

14. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15. Claims 13-16, 26, 27, 30 and 35-36, 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Redford (Redford et al., US 5,711,672).

Claim 13:

Redford discloses the computer-readable medium of claim 12 above, but does not explicitly disclose wherein the coupling comprises connecting the media drive to the computing device through a USB port. However, it is well known in the computer art that USB (Universal Serial Bus) is a serial bus standard to interface device, which is standardized by the USB Implementers Forum and becomes an

industry standard. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use USB port to connect removable media to computer device.

Claim 14:

Redford discloses the computer-readable medium of claim 12 above, but does not explicitly disclose wherein the coupling comprises connecting the media drive to the computing device through a Firewire port. However, it is well known in the computer art that Firewire is Apple Inc.'s brand name for the IEEE 1394 interface standard. It is a personal computer serial bus interface standard, offering high-speed communications and isochronous real-time data services. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use Firewire port to connect removable media to computer device.

Claims 15, 16, 26, 27, 35 and 36:

Redford discloses the computer-readable medium of claims 1, 19 and 31 above respectively, but does not explicitly disclose wherein the computer-readable medium comprises a CompactFlash/flash memory drive. However, it is well known in the computer art that CompactFlash(CF) is a type of data storage device

used in portable electronic devices by using flash memory in a standardized enclosure. It is first specified and produced by ScanDisk in 1994 and had been widely used for a variety of devices when this invention was made. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use CompactFlash/flash memory drive as a portable data storage media to save software, data and instruction file as Redford disclosed.

Claims 30 and 39:

Redford discloses the computer-readable medium of claims 19 and 31 above respectively, but does not explicitly disclose wherein the computer-readable medium comprises an external hard disk drive. However, it is well known in the computer art that external hard disk drive as a portal data storage media can be used to save/store computer readable data information. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use external hard disk drive to store the instructions as Redford disclosed for automatically starting execution and ending execution of process from a removable storage media.

Conclusion

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- William L. Duncan (US 5,832,213) discloses a method for flexible mounting and unmounting of user removable media;
- Terrance L. Lillie (US4,590,557) discloses a method and apparatus for controlling software configuration in data processing systems;
- Paul J. Boehler (US 6,282,710) discloses an apparatus and method for externally initiating automatic execution of media placed in basic removable disc drives
- Kannai et al., (US 5,832,523) discloses an archiving device and data file server using data file recording division over recording media;

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zheng Wei whose telephone number is (571) 270-1059 and Fax number is (571) 270-2059. The examiner can normally be reached on Monday-Thursday 8:00-15:00.

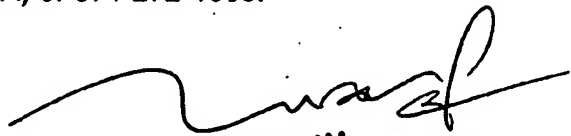
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2192

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571- 272-1000.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ZW



TUAN DAM
SUPERVISORY PATENT EXAMINER